

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
REQUEST FOR FILING NATIONAL PHASE OF  
PCT APPLICATION UNDER 35 U.S.C. 371 AND 37 CFR 1.494 OR 1.495**

To: Mail Stop Patent Application  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**10/501489**

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)

Atty Dkt: 0310543 /8PG034416USAA  
C-M /Client Ref.

From: Pillsbury Winthrop LLP, IP Group:

Date: July 13, 2004

This is a **REQUEST** for **FILING** a PCT/USA National Phase Application based on:

1. International Application  PCT/JP02/13836 <u>  </u> country code	2. International Filing Date  27 December 2002 Day    MONTH    Year	3. Earliest Priority Date Claimed  15 January 2002 Day    MONTH    Year (use item 2 if no earlier priority)
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4. Measured from the earliest priority date in item 3, this PCT/USA National Phase Application Request is being filed within:

(a) ☐ 20 months from above item 3 date      (b) ☒ 30 months from above item 3 date,

(c) Therefore, the due date (unextendable) is July 15, 2004

5. Title of Invention REFRIGERATOR COMPRISING ALARMING DEVICE FOR GIVING ALARMING SIGNAL WARNING AGAINST REFRIGERANT LEAK

6. Inventor(s) Ryousuki YAMAMOTO; Susumu SARUTA; Munehiro HORIE and Katsushi SUMIHIRO

Applicant herewith submits the following under 35 U.S.C. 371 to effect filing:

7. ☒ Please immediately start national examination procedures (35 U.S.C. 371 (f)).
8. ☐ A copy of the International Application as filed (35 U.S.C. 371(c)(2)) is transmitted herewith (file if in English but, if in foreign language, file only if not transmitted to PTO by the International Bureau) including:
- a. ☐ Request;
- b. ☐ Abstract;
- c.    pgs. Spec. and Claims;
- d.    sheet(s) Drawing which are ☐ informal ☐ formal of size ☐ A4 ☐ 11"
9. ☒ A copy of the International Application has been transmitted by the International Bureau.
10. A translation of the International Application into English (35 U.S.C. 371(c)(2))
- a. ☒ is transmitted herewith including: (1) ☐ Request; (2) ☒ Abstract;
- (3)  76  pgs. Spec. and Claims;
- (4)  21  sheet(s) Drawing which are:
- ☐ informal ☒ formal of size ☒ A4 ☐ 11"
- b. ☐ is not required, as the application was filed in English.
- c. ☐ is not herewith, but will be filed when required by the forthcoming PTO Missing Requirements Notice per Rule 494(c) if box 4(a) is X'd or Rule 495(c) if box 4(b) is X'd.
- d. ☐ Translation verification attached (not required now).
11. ☒ **PLEASE SEE THE ATTACHED PRELIMINARY AMENDMENT:**

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12. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)), i.e., before 18th month from first priority date above in item 3, are transmitted herewith (file only if in English) including:
13. ☒ PCT Article 19 claim amendments (if any) have been transmitted by the International Bureau
14. ☐ Translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)), i.e., of claim amendments made before 18th month, is attached (required by 20th month from the date in item 3 if box 4(a) above is X'd, or 30th month if box 4(b) is X'd, or else amendments will be considered canceled).
15. **A declaration of the inventor** (35 U.S.C. 371(c)(4))  
 a. ☐ is submitted herewith ☐ Original ☐ Facsimile/Copy  
 b. ☒ is not herewith, but will be filed when required by the forthcoming PTO Missing Requirements Notice per Rule 494(c) if box 4(a) is X'd or Rule 495(c) if box 4(b) is X'd.
16. **An International Search Report (ISR):**  
 a. Was prepared by ☐ European Patent Office ☒ Japanese Patent Office ☐ Other  
 b. ☒ has been transmitted by the international Bureau to PTO.  
 c. ☐ copy herewith (\_\_\_ pg(s).) ☐ plus Annex of family members (\_\_\_ pg(s).).
17. **International Preliminary Examination Report (IPER):**  
 a. ☒ has been transmitted (if this letter is filed after 28 months from date in item 3) in English by the International Bureau with Annexes (if any) in original language.  
 b. ☐ copy herewith in English.  
 c.1 ☐ IPER Annex(es) in original language ("Annexes" are amendments made to claims/spec/drawings during Examination) including attached amended:  
 c.2 ☐ Specification/claim pages #\_\_\_ claims #  
 Dwg Sheets #  
 d. ☐ Translation of Annex(es) to IPER (required by 30<sup>th</sup> month due date, or else annexed amendments will be considered canceled).
18. **Information Disclosure Statement** including:  
 a. ☒ Attached Form PTO-1449 listing documents  
 b. ☒ Attached copies of documents listed on Form PTO-1449  
 c. ☒ A concise explanation of relevance of ISR references is given in the ISR.
19. ☐ **Assignment** document and Cover Sheet for recording are attached. Please mail the recorded assignment document back to the person whose signature, name and address appear at the end of this letter.
20. ☐ Copy of Power to IA agent.
21. ☐ **Drawings** (complete only if 8d or 10a(4) not completed): \_\_\_ sheet(s) per set: ☐ 1 set informal; ☐ Formal of size ☐ A4 ☐ 11"
22. Small Entity Status ♦ ☒ is **Not** claimed ☐ is claimed (pre-filing confirmation required)  
 22(a) \_\_\_ (No.) Small Entity Statement(s) enclosed (since 9/8/00 Small Entity Statements(s) not essential to make claim)
23. **Priority** is hereby claimed under 35 U.S.C. 119/365 based on the priority claim and the certified copy, both filed in the International Application during the international stage based on the filing in (country) \_\_\_ of:  

	<u>Application No.</u>	<u>Filing Date</u>		<u>Application No.</u>	<u>Filing Date</u>
(1)	2002-005500	01/15/2002	(2)	2002-008309	01/17/2002
(3)	_____	_____	(4)	_____	_____
(5)	_____	_____	(6)	_____	_____

 a. ☒ See Form PCT/IB/304 sent to US/DO with copy of priority documents. If copy has not been received, please proceed promptly to obtain same from the IB.  
 b. ☐ Copy of Form PCT/IB/304 attached.
24. Attached: Preliminary amendment to claims

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25 Per Item 17.c2, cancel original pages #\_\_, claims #\_\_, Drawing Sheets #**26. Calculation of the U.S. National Fee (35 U.S.C. 371 (c)(1)) and other fees is as follows:**Based on amended claim(s) per above item(s) ☐ 12, ☐ 14, ☐ 17, ☐ 25, ☐ 25.5 (hilita)

Total Effective Claims	19	minus 20 =	0	x \$18/\$9	=	\$0	1615/2615
Independent Claims	5	minus 3 =	2	x \$86/\$43	=	\$172	1614/2614
If any proper (ignore improper) Multiple Dependent claim is present,				add\$290/\$145	+	0	1616/2616

BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(4)): →→ BASIC FEE REQUIRED, NOW →→→→

A. If country code letters in item 1 are not "US", "BR", "BB", "TT", "MX", "IL", "NZ", "IN", "ZA", "LC" or "PH"

See item 16 re:

1. Search Report was not prepared by EPO or JPO -----	add\$1,080/\$540		1611/2611
2. Search Report was prepared by EPO or JPO -----	add\$920/\$460	+920	1613/2613

**SKIP B, C, D AND E UNLESS country code letters in item 1 are "US", "BR", "BB", "TT", "MX", "IL", "NZ", "IN", "ZA", "LC" or "PH"**

→ ☐ B. If USPTO did not issue both International Search Report (ISR) and (if box 4(b) above is X'd) the International Examination Report (IPER), ----- add\$1,080/\$540 +0 1611/2611

(only)  
(one) → ☐ C. If USPTO issued ISR but not IPER (or box 4(a) above is X'd), ----- add\$770/\$385 +0 1610/2610

(these)  
(4) → ☐ D. If USPTO issued IPER but IPER Sec. V boxes not all 3 YES, ----- add\$730/\$365 +0 1609/2609

→ ☐ E. If international preliminary examination fee was paid to USPTO and Rules 492(a)(4) and 496(b) satisfied (i.e., in IPER Sec. V all 3 boxes must be YES for all claims), -- add \$100/\$50 +0 1612/2612

27. **SUBTOTAL = \$1092**

28. If Assignment box 19 above is X'd, add Assignment Recording fee of ----\$40 +0 8021

29. If box 15a is x'd, determine whether inventorship on Declaration is different than in international stage. If yes, add (per Rule 497(d)) ----\$130 +130 1808

30. Attached is a check to cover the ----- **TOTAL FEES \$1222**

Our Deposit Account No. 03-3975

Our Order No. 056318

0310543

C#

M#

**CHARGE STATEMENT:** The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 and 492 (missing or insufficient fee only) now or hereafter relative to this application and the resulting Official document under Rule 20, or credit any overpayment, to our Account/Order Nos. shown above for which purpose a duplicate copy of this sheet is attached.

This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal form is filed

**Pillsbury Winthrop LLP**  
Intellectual Property Group

725 South Figueroa Street, Suite 2800  
Los Angeles, CA 90017-5406  
Tel: (213) 488-7100

By Atty: Roger R. Wise

Sig:

Reg. No. 31204

Fax: (213) 629-1033  
Tel: (213) 488-7584

Atty/Sec: RRW/JES

**NOTE:** File in duplicate with 2 postcard receipts (PAT-103) & attachments.

10/501489

PATENT  
0310543

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application  
YAMAMOTO, et al.

Group No.: Unassigned

Serial No.: Unassigned  
Filed: July 13, 2004

Examiner: Unassigned

For: **REFRIGERATOR COMPRISING ALARMING DEVICE  
FOR GIVING ALARMING SIGNAL WARNING AGAINST  
REFRIGERANT LEAK**CERTIFICATE OF MAILING VIA U.S. EXPRESS MAIL

"Express Mail" Mailing Label No. EL 723 944 095 US

Date of Deposit: July 13, 2004

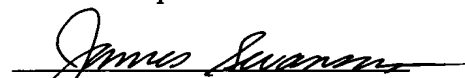
Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

I hereby certify that

- ☒ Letter of transmittal
- ☒ Preliminary Amendment
- ☒ Patent application (76 pages of specification; 19 claims; 1 pages of abstract)
- ☒ A check in the amount of \$1,222.00 to cover the filing fee
- ☒ 21 sheets of formal drawings
- ☒ An Information Disclosure Statement with 4 reference(s) and form PTO-1449
- ☒ Return postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service with sufficient postage under 37 CFR 1.10 on the date indicated above and are addressed to:

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450July 13, 2004  
Date of Deposit  
James Swanson